

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>		PAGE OF PAGES <b>1   4</b>	
2. AMENDMENT/MODIFICATION NO. <b>0002</b>		3. EFFECTIVE DATE <b>30-May-2001</b>		4. REQUISITION/PURCHASE REQ. NO. <b>W81G67-0341-6461</b>		5. PROJECT NO.(If applicable) <b>Grand Forks Ph 1</b>	
6. ISSUED BY CONTRACTING DIVISION USACE - ST PAUL 190 5TH STREET ST PAUL MN 55101-1638		CODE <b>DACW37</b>		7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. <b>DACW37-01-B-0003</b>			
				<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) <b>08-May-2001</b>			
				10A. MOD. OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>  1  </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A.THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B.THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C.THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D.OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) A. The purpose of this amendment is to revise the technical specifications and drawings.  Continued on pages 2 through 4 .							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  <b>30-May-2001</b>	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

B. As a result of this amendment, the following changes are made to the solicitation document:

(1) Section 01000 General

Paragraph 3.4.5 Delete "Levee work from Stations 322+85 to 322+70 and from Stations 322+85 to 327+70" and replace with "Levee work from Stations 322+85 to 322+70 and from Stations 352+00 to 356+00"

Paragraph 3.6.1. At the end of the paragraph add the following "East Grand Forks Levees, Phase 1 is scheduled for construction from July 2001 thru July 2003. Work under the East Grand Forks contract is similar in nature to the work under this contract."

(2) Section 01270 Measurement and Payment:

Paragraph 1.2.32 Delete "Levee work from Stations 322+85 to 322+70 and from Stations 322+85 to 327+70" and replace with "Levee work from Stations 322+85 to 322+70 and from Stations 352+00 to 356+00"

Paragraph 1.2.32.1 Delete "Levee work from Stations 322+85 to 322+70 and from Stations 322+85 to 327+70" and replace with "Levee work from Stations 322+85 to 322+70 and from Stations 352+00 to 356+00"

(3) Section 05055 – Metalwork Fabrication, Machine Work, Miscellaneous Provisions

Page 1 – TOC add/change the following sections:

Add 2.2.1.4 Fracture Critical Members (FCM)

Add 2.2.2.5 Welding of Fracture Critical Members (FCM)

Change existing 2.3.3.4 to 2.3.3.5

Add new 2.3.3.4 Testing Fracture Critical Members (FCM)

Page 3 – 1.1 REFERENCES, add the following:

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)

Guide Specifications for Fracture Critical Non-Redundant Steel Bridge Members (1978)

Page 5 – 1.2 SUBMITTALS, SD-09 Reports, add the following:

Test Reports for Fracture Critical Members (FCM); GA

Bound report shall contain test results on all fracture critical members and shall include record of personnel qualifications, equipment, procedures, and analysis of results along with all the test records. Report shall cover the Charpy V-notch tests, all welding tests, and chemical and mechanical properties of the steel.

Page 7 – Add 2.2.1.4

## 2.2.1.4 Fracture Critical Members (FCM)

All steel used in FCM shall have the following notch toughness requirements.

<u>Grade Yield Strength (KSI)</u>	<u>Thickness (inches)</u>	<u>Charpy V-notch (foot-pounds at degrees Fahrenheit)</u>
36	≤ 4.0	25 at 10
50	≤ 2.0	25 at 10
70	≤ 2.5	30 at -10
100	≤ 2.5	35 at -30

Page 9 – Add new section 2.2.2.5.

## 2.2.2.5 Welding of Fracture Critical Members (FCM)

Welding procedures for FCM shall be qualified in accordance with AASHTO Guide Specifications for Fracture Critical Non-Redundant Bridge Members.

Page 14 – Add new section 2.3.3.4, change existing section 2.3.3.4 to 2.3.3.5 Supplemental Examination.

## 2.3.3.4 Testing Fracture Critical Members (FCM)

Weld testing, inspection, and personnel qualifications and certification of FCM shall be in accordance with AASHTO Guide Specifications for Fracture Critical Non-Redundant Bridge Members. Copies of the weld inspector's certification and qualifications for all assistant inspectors shall be submitted. All members designated as FCM shall have their joints tested. All complete penetration butt welds shall have radiographic testing; those welds found to be inaccessible to a radiation source or film, or otherwise situated where radiographic examination is not feasible may be examined, with written approval, by dye penetrant, magnetic particle tests, or ultra sonic tests. All other FCM welds shall have ultrasonic testing.

(4) Changes to drawings as outlined below:

## 1. R-P-GF-64/461

Coordinate H-1 add: SPECIAL NOTE: MEMBERS OR COMPONENTS MARKED THUS,  ON THIS SHEET AND SHEET 64/462 ARE FRACTURE CRITICAL MEMBERS SUBJECT TO THE SPECIAL REQUIREMENTS NOTES IN THE SPECIFICATIONS.

Coordinate A-6 add: FCM symbol to W12x30 designation.

Coordinate D-2 add: FCM symbol to WT6X25 designation.

Coordinate E-6 add: FCM symbol to 3"X3/8" PLATE designation.

Coordinate E-5 add: FCM symbol to 2L 5"X3"X3/8" designation.

Coordinate F-6 add: Arrow with PL 4"X2"X5/8" and FCM symbol to 2" tall plate.


Coordinate F-6 add: Arrow with PL 2 1/2"X2"X5/8" and FCM symbol to other 2" tall plate.

Coordinate F-5 add: Weld symbol 5/16" all around for joining PL 2 1/2"X2"X5/8" and WT6X25.

Coordinate G-5 add: FCM symbol to WT6x25 designation.

Coordinate G-6 add: Arrow with PL 9 1/2"X5"X3/4" and FCM symbol to 5" tall plate.

## 2. R-P-GF-64/462

Coordinate H-1 add: SPECIAL NOTE: MEMBERS OR COMPONENTS MARKED THUS,  ON THIS SHEET AND SHEET 64/461 ARE FRACTURE CRITICAL MEMBERS SUBJECT TO THE SPECIAL REQUIREMENTS NOTES IN THE SPECIFICATIONS.

Coordinate A-3 add: FCM symbol to W12x30 designation.

Coordinate C-6 add: FCM symbol to 2L 5"x3"x3/8" designation.

Coordinate E-5 add: FCM symbol to W12x30 designation.